

TT-64-10173

Toropov, N. A., Nikogosyan, Kh. S., and Boikova,
A. I.
ON THE FORMATION OF THE α -HYDRATE OF
DICALCIUM SILICATE. [1963] 5p (fig omitted) 5refs
Order from OTS, SLA, or ETC \$1.10 TT-64-10173

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1960,
v. 135, no. 1, p. 98-100.

DESCRIPTORS: *Cements, *Silicates, *Calcium com-
pounds, Oxides, *Hydrates, Synthesis (Chemistry).

- I. Toropov, N. A.
- II. Nikogosyan, Kh. S.
- III. Boikova, A. I.

Office of Technical Services

(Chemistry, TT, v. 11, no. 9)

Silicates of the Rare Earth Elements.
Communication 3. Phase Diagram of the
Binary System Yttrium Oxide-Silica, by
N.A. Toropov, I.A. Bondar, 7pp.

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1961, pp. 544-551.

CB

200, 664

Sci.
April 62

Toropov, N. A.
STALLS: NEW ORGANIC MATERIALS FOR MODERN
TECHNOLOGY. Mar 64, 9p Srefo
Order from HMSO \$0.77, \$9.86/year in NLL
Translations Bul'etin, 1964, v. 6, no. 3 (p. 250-258)
Trans. of Academy of Sciences USSR, Vestnik, 1963
[v. 33] no. 10, p. 43-46.

(Materials--Ceramics, TT, v. 12, no. 2)

TT-64-12584-3 (p. 250-258)

- I. Toropov, N. A.
- II. Title: New...
- III. Department of Scientific
and Industrial Research,
London (England)

86239

Office of Technical Services

Silicates of the Rare Earth Elements.
Communication 2. Phase Diagram of the
Binary System Gadolinium Oxide-Silica, by
N.A. Toropov, F.Ya. Galakhov, S.F. Kononova, 5pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1961, pp. 539-543.

CB

200,662

Sch.
April 62

Silicates of the Rare-Earth Elements, Communication
5. Phase Diagrams of the $Dy_2O_3-SiO_2$ Systems,
by N. A. Toropov, F. Ya. Galakhov, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 8, 1961, pp 1365-1371.

CB

Sci

Jul 62

202,691

JPRS 9174

The Vitreous State. Issue 1. Catalyzed
Crystallization of Glass, by N. A. Terapov,
1963, 14.

ISSUE 1. Katalizirovannaya Kristallizatsiya.
Steklo, 2 Moscow, 1963, pp 1-195.

JPRS/91-9174/SPECIAL

14

14 - 14

14 14

Reaction of Calcium Germanates with Water at Room
Temperature, by N.A. Toropov and A.K. Shirvinskaya,
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXVI, No 4,
1963, pp 717-723.

CB

Sci
Jul 64

262,310

Silicate of Rare-Earth Elements. Communication 4.
New Silicates in the System $\text{La}_2\text{O}_3\text{-SiO}_2$, by N. A.
Poropov, I. A. Bondar, 6pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1961, pp 739-744

CB

Sci

Mar 62

188,997

Silicates of the Rare-Earth Elements. Communication
6. Phase Diagrams of the Binary Systems
 $\text{Sm}_2\text{O}_3\text{-SiO}_2$ and $\text{Yb}_2\text{O}_3\text{-SiO}_2$, and Comparison
of These Silicates with the La_2O_3 Other Rare-Earth
Elements Silicates Which Have Been Studied,
by N. A. Toropov, I. A. Bondar, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 8, 1961, pp 1372-1379.

CB

Sci

Jul 62

202,692

The Al_2O_3 - Nd_2O_3 Binary System and Some Data on
the Al_2O_3 - Nd_2O_3 - SiO_2 System, by N. A. Toropov,
T. P. Kiseleva, 3 pp.

RUSSIAN, per, Zhur Neorgan Khim, No 10, 1961,
pp 2353-2358.

Cleaver-Hume Press

Sci

Oct 62

213,234

Synthetic Scandium Silicates, by H. A. Toropov,
V. A. Vasil'eva, 8 pp.

RUSSIAN, per, Kristallografiya, Vol VI, No 6,
1961, pp 988-.

AIP
Sov Phys - Crystall
Vol VI, No 6

205,395

Sci
Jul 62

(SF-1078)

HIGH TEMPRERATURE MICROSCOPE, BY N. A. TOROPOV,
E. K. KLER, 3 PP.

RUSSIAN, PER, VESTNIK AK NAUK SSSR, NO 3, 1962,
PP 46-48.

JPRS 14143

SCI - PHYS

JUN 62

199,963

TT-63-23767

Toropov, N. A. and Boikova, A. I.
TRICALCIUM SILICATE AND ITS SOLID SOLUTIONS
(Trekhal'tsevyi Silikat i Ego Tverdye Rastvory) tr. by
H. A. Berman. [1963] [11 p. 11 refs.
Order from CTS, SLA or ETC \$1.60 TT-63-23767

Trans. of mono. Novoe v Khimii i Tekhnologii Tsementa
(New Developments in the Chemistry and Technology of
Cement) Moscow, 1962, p. 61-66 (Soveshchaniya po
Khimii i Tekhnologii Tsementa (Conference on the
Chemistry and Technology of Cement) 1961. Trudy,
p. 61-66).

DESCRIPTORS: *Calcium compounds, *Strontium com-
pounds, Oxides, *Silicates, Mixtures, Solubility,
Synthesis (Chemistry), Microscopy, Refractive index,
Calorimetry, Transition temperature, X-ray diffrac-
tion analysis, Crystal structure, *Cements,

(Chemistry--Physical, TT, v. 11, no. 1) (over)

- I. Toropov, N. A.
- II. Boikova, A. I.
- III. Title: New ...
- IV. Title: Soveshchaniya...
- V. Title: Conference ...
- VI. National Bureau of
Standards,
Washington, D. C.

Office of Technical Services

Synthesis and Investigation of Neodymium Aluminate
and Silicates, by N. A. Teropov, T. P. Kiseleva,

1/2 PP

RUSSIAN, per, Zhur Prik Zhim, Vol XXXIV, No 3,
1961, pp 498-500

CB

Sci

186, 870

Feb 62

Study of Crystallization Processes Occurring in the
System $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2$ on Introduction of 10% of
 GaF_3 by N. A. Koropov, I. A. Bondar, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9
1959, pp 1520-1525.

CB

Sci -
May 61

152, 789

Effect of Calcium Fluoride on the Crystallization
Process in the Triple System $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2$, by
N. A. Toropov and I. A. Bondar'.

RUSSIAN, paper.

RIS

Sci - Engr

Mar 64

Model Systems of Na_2BeF_4 - Li_2BeF_4 and CaSiO_4 - MgSiO_3 ,
by N. A. Toropov, I. L. Shchetnikova,²
17 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol II, No 6, 1957,
pp 1392-1400.

ABC-tr-4056
PL-480

146,316

Sci

Apr 61

PST No 83

Solid Solutions in the System $Al_2O_3-SiO_2$,
by H. A. Toropov, F. Ya. Galakhov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 1, 1958, pp 8-11.

Consultants Bureau

Sci - Chem

May 59

86, 863

Study of Processes of Microstructure Formation
in Insulator Porcelain During Firing, by N. A.
Toropov, A. N. Alekseyeva, 4 pp.

RUSSIAN. per. Zhur Prikl Khim. Vol XXII. No 7,
1959, pp 1441-1444.

CB

Sci

Aug 60

122,423

Interaction of Calcium Phosphate with Clinker
Materials by N. A. Toropov, A. I. Borisenko, 6 pp.

RUSSIAN, per, Tsement, Vol. XX, No 6, 1954, pp
10-13.

SIA R-2911

82841

Sci

Jul

59

92,633

II. Model Systems: Na_2BeF_4 - Li_2BeF_4 and Ca_2SiO_4 - Mg_2SiO_4 , by N. A. Toropov, I. E. Shchetnikova,
15 pp.

RUSSIAN, per, Zhur Georg Khim, Vol II, No 8, 1957,
pp 1855-1863.

AEC-tr-4058

PE-480

Sci

Apr 61

PST No 85

145,251

Crystallization of Hillebrandite Under Hydro-
thermal Conditions, by G. P. Stavitskaya, Yu. A.
Smolin, N. A. Toropov, E. A. Porai-Koshits, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXXVI. No 3-6.
1959, pp 616-618.

CD

Sc2
Aug 60

124, 218

Thin Birefringent With Layer Structures:
1. Thin Birefringent With Layer Structures, by H. A. Toropov,
N. D. Gerasimovich, 5 pp.

1962, Ser. Khim. Neorgan. Khim. No 2, 1962,
pp. 324-325.

INT. CS

904

Jan 63

232,925

Infrared Absorption Spectra of Hydrated Silicates,
by Ya. I. Ryskin, G. P. Stavitskaya, N. A. Toropov,
5 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol V, No 12,
1960, pp 2727-2734.

Cleaver-Hume Press

Sci

Jan 62

177, 813

Toropov, N. A. and Volkonskii, B. V.
POLYMORPHIC TRANSFORMATION OF $3\text{CaO} \cdot \text{SiO}_2$
AND THE INFLUENCE OF FERROUS OXIDE ON
 $3\text{CaO} \cdot \text{SiO}_2$ AND OTHER CLINKER MINERALS
(Polimorfnye Prevrascheniya $3\text{CaO} \cdot \text{SiO}_2$ i Vliyaniye
Zakisi Zheleza na $3\text{CaO} \cdot \text{SiO}_2$ i Drugie Klinkernye
Mineraly) tr. by G. N. Gibson. Mar 61 [6]p. 7 refs.
DSIR Library Communication no. 1041.
Order from OTS or SLA \$1.10

61-27055

Trans. of Tsement (USSR) 1960, v. 26, no. 6, p. 17-20.

DESCRIPTORS: Calcium compounds, *Silicates,
*Cements, Minerals, Crystal structure, Polymorphism
Transformations, Iron compounds, Oxides.

Experiments show that tricalcium silicate exists in two
modifications. The transition to the high-temperature
modification takes place at 1375°C . The time required
for the disintegration of tricalcium silicate to free cal-
cium oxide and dicalcium silicate, at 1900°C , is about
(Materials, TT, v. 6, no. 5) (over)

61-27055

- I. Toropov, N. A.
- II. Volkonskii, B. V.
- III. LC-1041
- IV. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

RESEARCH AND DEVELOPMENT, 1960-1961
Changes of the New York, 1960-1961
1960-1961, 1960-1961, 1960-1961
and 1961, by R. A. T. 1960-1961
5 pp.

RESEARCH, 1960, In A. R. 1960, 1960-1961
1960, No 5, 1960, 1960-1961.

OR

Sci.

Sci. 60

Toropov, N. A., Borisenko, A. I., and
Shirokova, P. V.

INVESTIGATION OF THE SYSTEM TRICALCIUM
SILICATE-TRICALCIUM PHOSPHATE (Issledovaniye
Sistemy Trekhkaltsievyi Silikat-Trekhkaltsievyi
Fosfat) tr. by G. N. Gibson. May 54, 5p. 4 refs.
Library Communication no. 663; TL 1584; M2179.
Order from LC or SLA m\$1.80, ph\$1.80 61-13674

Trans. of Akademiya Nauk SSSR. Doklady, 1953,
v. 92, no. 5, p. 1015-1018.

(Chemistry--Physical, TT, v. 5, no. 1)

61-13674

1. Cements--Chemical reactions
2. Calcium oxide-phosphorus pentoxide-silicon dioxide systems--Phase studies
 - I. Toropov, N. A.
 - II. Borisenko, A. I.
 - III. Shirokova, P. V.
 - IV. LC-663
 - V. Trans-TL-1584
 - VI. DSIR LLU M. 2179
 - VII. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

The Diagram of State of the Ternary System $\text{BaO}-\text{Al}_2\text{O}_3-\text{SiO}_2$, by N. A. Toropov, F. Ya. Galakhov, I. A. Dondur, 10 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim,
No 5, Sep-Oct 1954, pp 753-764. CIA C 39501

Consultants Bureau

Scientific - Chemistry

Nov 55 CTS/DEX

28,824

Solid Solutions in the system $\text{NiO} - \text{Fe}_2\text{O}_3$, by N. A. Boronov, and A. I. Borisenko.

Full translation.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXIII, No 6, 1968, pp 705-708.

AEC Tr 1438

SLR/F-1036

USSR

Scientific - Chemistry, $\text{NiO} - \text{Fe}_2\text{O}_3$

A 945

Nov 52 CTS/DEX

The Problem of the Polymorphism of Di-Calcium
Silicate, by N. A. Toropov, B. V. Volkonsky,
V. I. Sadkov, 4 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol. CXIII,
No 3, Jan/Feb 1957, pp 467-

Consultants Bureau

Sci - Chemistry
Doc 57

56, 831

DOIN 36515/CT

Solid Solutions in the System $\text{CoO} - \text{Fe}_2\text{O}_3$, by N. A. Toropov, E. A. Porai-Koshits, and A. I. Borisenko.

Full translation.

VI
RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXVI, No 5,
1949, pp 905-908.

STAN-1023
AEC Tr 1439

USSR

7944

Scientific - Chemistry, $\text{CoO} - \text{Fe}_2\text{O}_3$

Nov 52 CTS/DEX

✓
Solid Solutions of Calcium Aluminoferrites, by
N. A. Toropov, A. I. Boikova, 10 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, Nov/Dec 1955, pp 972-980. CIA 542764 C.
reel 3.

Consultants Bureau

Sci - Chemistry

Aug 1956

37,624

Phase Composition and Some Ferromagnetic
Properties of Manganese-zinc Ferrites, by
B. A. Turopov, L. I. Rabkin, E. Zh. Preidenfel'd,
E. Sh. Isphtoin, 19 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Prii Khim, Vol XXVI,
No 9, 1958, pp 982-990. C. I. I. 146080
C. I. I. 30692

Air Res & Dev Command

T-206-R

T-251-11

Scientific - Chemistry

16,089

New orthosilicates of calcium and sodium, by N. A. Toropov, and O. I. Arakeljan.

RUSSIAN, per, ⁰Dok Ak Nauk SSSR, 1950, ^{Vol 72}, (2), 1950, pp 365-8.

Sci Museum Lib No 51/1747 — London

See Watford: Bldg. Res. Sta., Bldg. Res. Lib. Commun. No 538

78.703

A270

Thermal Stability of Rock Wool, by N. A. Toropov,
M. M. Sychev, 4 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVIII,
No 3, USSR, Mar 1955, pp 322-324. CIA D 270075

Consultants Bureau

Scientific - Chemistry
CIS 71/Aug 1955

25,996

Liquidation in the System ZrO_2-SiO_2 ; by H. A.
Toropov, P. Ya. Galichov, 4 pp.

Full to

RUSSIAN, Zh. mol. per, In Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1956, pp 153-156. CIA 564938 C, Reel No 16

158-161

Consultants Bureau

Scientific - Chemistry
Sep 56 GMS/dex

38,435

Phase Diagram of the Ternary System CaO-BaO-SiO_2 ,
by N. A. Toropov, F. Ya. Galakhov, I. A. Bondar,
10 pp.

RUSSIAN, no per, Iz Ak Nauk, Otdel Khim Nauk, VSI
No 6, 1956, pp 641-648.

Consultants Bureau

Sci - Chemistry
Feb 57 CTS

44, 114

New Data on the System Al_2O_3 - SiO_2 , by N. A. Toropov,
P. Ya. Galakhov, 7 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LXXVIII,
No 2, 1951, pp 299-302.

Sci Museum Lib No 53/2360

SLA 61-13680

USSR
Scientific - Chemistry

9888

Mar 54 CTS

Some Conditions for the Synthesis of Zinc Ferrites,
by N. A. Toropov, A. I. Borisenko, 2 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVIII, No 12,
Dec 1955, pp 1347-1348. CIA C 43311

Consultants Bureau

Sci - Chemistry

37,063

Aug 1956

Investigation of the System Ferrite-Calcium
Aluminate, by E. A. Terepov, A. I. Pollova.
UNCL

RUSSIAN, per, Zhur Georg Khim, Vol I, No 9,
1956, pp 2106-2109.

DSIR 32953/CT

801 -Cham
Feb 59

81,485

Field of Solid Solutions Formed by Celsian, Dibarium
Trisilicate, and Barium Disilicate (Sanbornite), by
N. A. Toropov, F. Ya. Galakhov, I.A. Bondar, 6 pp.

Full translation.

RUSSIAN, bimo per, Is Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan/Feb 1955, pp 3-8. CIA D 151341

Consultants Bureau

Scientific - Chemistry

24,517

Jun 55

Fluoro-Beryllate and Other Crystallochemical
Analogous Silicates and Similar Substances, by
N. A. Toropov, I. A. Bondar'

RUSSIAN, per, Uspekhi Khimii, Vol XXIV, No 1, 1955,
pp 52-68.

Technical and Commercial Trans.
2135 Spruce Street
Phila. 3, Pa.

32,698

Scientific - Chemistry

Apr 56

Scientific Institutions of Czechoslovakia Working
in the Field of Silicate Chemistry and Technology,
by N. A. Toropov, V. P. Barzakovsky, 4 pp.

RUSSIAN, no per, Steklo i Keramika, Vol XIII, No 3,
Mar 1956, pp 25-27.

Consultants Bureau

Scientific - Engineering

43,130

Feb 57 CTS

Solid Solutions in the SiO_2 System $\text{Al}_2\text{O}_3\text{SiO}_2$,
by E. A. Toropov, P. Ya. Galakhov. UDC

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1958, pp 8-11.

DSIR 35036/CT

Sol - Chem
Apr 59

85,081

Hydrated Calcium Silicates, by N. A. Toropov,
A. I. Borisenko, P. V. Shirokova, 4 pp.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, Jan-Feb 1953, pp 65-69.

Consultants Bureau

Scientific - Chemistry

Aug 54 CTS

17,105

An Investigation of the System $\text{CuO} - \text{Fe}_2\text{O}_3$, by H. A. Toropov, and A. I. Borisenko. *8/10*

Full translation.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXXI, No 1, 1950, pp 69-71.

AEC Tr 1436
SHA/E-1024

USSR

Scientific - Chemistry, $\text{CuO} - \text{Fe}_2\text{O}_3$

A942

Nov 52 CTS/DEX

Dehydration of Calcium Hydrosilicate $2\text{CaO} \cdot \text{SiO}_2 \cdot \text{H}_2\text{O}$ (Hillebrandite), by N. A. Toropov,
Kh. S. Nikogosyan, A. I. Boikova, 2 p.

RUSSIAN, per, Zhur Neorg Khim, Vol IV, No 5,
1959, pp 1159-1161.

Cleaver-Hume Press Ltd.
London

Sci-~~Chem~~
Jan 60

106,441

Phase Diagram of the Ternary System $\text{BaO-Al}_2\text{O}_3\text{-SiO}_2$,
by N. A. Toropov, F. Ya. Galanov, I. A. Bondar

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR,
Vol LXXXIX, No 1, 1953, pp 89-92,

Co-op Tr Sch 76

RT 3627

Sci Mus Lib 56/0877

Scientific - ~~Chemist~~ Chemistry

1.12a(4s.0d.)

14,844
Jun 54 CTS

Solid Solutions in the System NiO - ZnO - Fe₂O₃ and
CuO - Fe₂O₃, by N. A. Toropov, and A. I. Borisenko.

Full translation.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXVI, No 1,
1951, pp 85-88.

LXXVI

See Ser. 1035
AEC Tr 1437

SLD-R-2255

SSSR

Scientific - Chemistry, NiO - ZnO - Fe₂O₃ and CuO -
ZnO - Fe₂O₃

Nov 52 CTS/DEX

7143

Stoichiometry and Polymorphism of Tricalcium Silicate, A. I. Boikova and N. A. Toropov
RUSSIAN, per, Dokl. Akad. Nauk SSR, Vol 156.
No 6: 1410-51
XLL/S196

42
47

N.A. Toropov

Sci-chen
July 69

385,692

Measurements of Neutron Spectra for Energies
Below 0.5 Mev by a Time-of-Flight Method, by
Yu. A. Vasil'ev, Iz. S. Zamiatnin, P. V.
Toropov, E. F. Fomushkin, 4 pp.

RUSSIAN, par, Atomnaya Energiya, Vol XII, No 12,
1957, pp 542-543.

Consultants Bureau

Sci - Physics

Oct 58

74, 482.

Appareil Pour le Dosage de la Silice par la
Methode Thermique, by S. A. Toropov,
Ts. A. Goldina, 8 p.

RUSSIAN to FRENCH, per, Zavod Lab, 1956, Vol XXII,
No 9, pp 1118-1120.

CEA-tr-R232

Sci
Feb 60
Vol 2, No 12

Toropov, S. A. and Khabarov, P. G.
INDIVIDUAL MEANS OF PROTECTION AGAINST
AGGRESSIVE SUBSTANCES (Individual'nyye Sredstva
Zaschity ot Agressivnykh Veshchestv). 20 Jan 61, 3p.
JPRS: 7553

Order from OTS \$0.50

61-21182

Trans. of Gigiyena Truda i Professional'nyye Zabol-
vaniya (USSR) 1960, v. 4, no. 6, p. 61.

Materials developed for protective garments to be
worn by factory workers who handle acids are de-
scribed. Special reference is made to perchlorovinyl
fibers.

(Personnel Supplies and Personal Equipment, TT,
v. 5, no. 3)

61-21182

1. Acids--Hazards
 2. Protective clothing--
Development
 3. Vinyl polymers--
Applications
 4. Synthetic fibers--
Applications
- I. Toropov, S. A.
 - II. Khabarov, P. G.
 - III. JPRS-7553
 - IV. Joint Publications Research
Service, New York

Office of Technical Services

On the Mechanism of Hot Cracking of Welds, by V. A.
Toropov.

RUSSIAN, no per, Metallovedenie i Obrabotka Metallov,
No 6, Moscow, Jun 1957, pp 54-58.

Brutcher Tr 3982
\$4.80

Sci - Min/Met

Jan 58

57,023

Role of the Grain-Boundary Substance in the Hot
Cracking of [Austenitic] Welds, by V. A. Toropov.

RUSSIAN, no per, Metallovedenie i Obrabotka
Metallor, Vol II, No 4, 1956, pp 45-50.

Henry Bratcher Tr 3809

\$5.90

43,408

Sci - Physics
Feb 1957 CTS

The Penetration of Hot Cracks in the Arc Welding
of Austenitic Steels, by W. Rydhevalier, V. A.
Thompson, LMSL

WESLEY, 1970, Paton Commemorative Volume,
London, 1970, pp 117-134.

WESLEY 9/70

British Welding Research Association
Abington Hall
Abington, Oxford

106,775

Investigation of the Arc Welding of Heat Resisting
Austenitic Steel, Grade 304, by V. A. [unclear],
1961, 12 pp.

RUSSIAN, per, Burach Froiz, No 9, 1960, pp 12-13.

Research Welding [unclear]

Sci.
Aug, 60

100-101

Operating Properties of Molten Salt
and Cylinder of a Gas Turbine After 25,000 Hours
Operation, by V. A. Toropov, V. I. Kuznetsov

7 pp

RUSSIAN, paper, Svaroch Press, No 4, 1960, pp 10-17

RUSSIA

Sol.

May 61

152,362

The Formation of the Antibiotic Compounds in
Cultures of Actinomyces Daghestanicus,
by E. G. Toropova, G. V. Gavrilina,
S. A. Lirova, 3 pp.

RUSSIAN, per, Antibiotiki, Vol IV, No 5,
1959, pp 11-13.

CB

1611, 516

Sci

Aug 63

Enrichment of Radioactive Isotopes of Chromium in the
of the Hexacarbonyl, by M. A. Toropova, 7 pp.

RUSSIAN, per, Zhur Noorgan Khim, Vol II, No 5, 1967,
pp 1201-1201.

AEC-tr-4055

PL-480

Sci

155,407

Jun 61

PST 92

188
Production of the Ru Without a Carrier by a
Method Based on Disruption of Chemical Bonds
During β -decay, by V. D. Kolesov, M. A. Goropova,
8 pp.

RUSSIAN, per, Zhur Georgan Khin, Vol XI, No 7,
1957, pp 1557-1571.

AEC-tr-4057

Sci - Chemistry

Dec 60

FST 64

124,097

The Requirements of Anaerobic Bacteria as
Regards the Oxidation-Reduction Potential of
Their Medium, by I. L. Babotnova, E. G.
Toropova, M. Yu. Rabayeva, 14 pp.

RUSSIAN, per, Mikrobiol, Vol XXIV, No 5,
1955, pp 525-531.

Sci Mus Lib No 56/2241

Sci - Biology

42,854

D.S.I.R./29745

The Effect of Starvation on Glycogen Metabolism
of the Liver in Radiation Sickness of Animals, by
G. P. Toropova, 10 pp.

RUSSIAN, per, ^UVoprosy Pitaniya, Vol XVII, 1958,
pp 50-54.

AEC TT-915

Sci - Med
May 61

150,355

S-1203

(NY-2019)

The Luminescence of DNA Isolated From Tissues of
Irradiated Animals, by G. P. Toropova, A. I.
Pomirnyukov, 7 pp.

RUSSIAN, per, Medica Radiolog; No 3, 1959. pp 57-60.

JPRS-5-863-0

Sci - Medicine, Radiology
Jul 59

91,961

(1966-F)

The Change in the Physico-Chemical Properties of
Desoxyribonucleic Acid in Tissues of Irradiated
Animals, by G. P. Toropova, M. V. Yermolayeva, 8 pp.

RUSSIAN, par, Meditsinskaya Radiologiya, Vol XXX,
No 5, Moscow, 1958, pp 24-29.

US JPRS L-516-N

Sci - Medicine
Feb 59

81,561

The Actions of X-Rays on Nucleic Acid Metabolism
in the Liver, by G. P. Toropova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIV, No 1,
1957, pp 80-83.

Amer Inst of Biol Sci

Sci - Biology

Aug 58

70,335

Oxidative Resynthesis of Adenosinetriphos-
phate by Irradiated Rat Liver, by G. P.
Toropova, 7 pp.

4

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII, No
5, 1957, pp ~~654-657~~.

2

266-

Consultants Bureau

Sci - Chem

Aug 58

75. 669

S-21/60

(NY-3431)

The Content of Glycogen in the Liver During the
First Hours After Irradiation of Rats, by G. P.
Toropova, 4 pp.

RUSSIAN, per, Med Radiol, Vol. IV, No 5, 1959,
p 39.

JPRS 2860

Sci - Med

Aug 60

122,890

S-4198

(NY-1565)

The Role of Starvation in the Metabolism
of Hepatic Glycogen During Radiation
Sickness in Animals, by G. P. Toropova,
8 pp.

RUSSIAN, bino par, Voprosy Pitaniya, Vol XVII,
No 1, Moscow, 1958, pp 50-54.

US JPRS/NY-L-325

Sci - Medicine, radiation biology

67,293

61-12635

Toropova, G. P.
THE EFFECT OF STARVATION ON GLYCOGEN
METABOLISM OF THE LIVER IN RADIATION SICK-
NESS OF ANIMALS (Rol' Golodaniya v Obmene
Glykogena Pecheni pri Luchevooy Bolezni Zhivotnykh)
tr. by G. Belkov. 1960, 10p. 5 refs. Technical
trans. 915.

Order from NRCC \$0.50

NRCC C-3496

Trans. of Voprosy Pitaniya (USSR) 1958, v. 17, no. 1,
p. 50-54.

1. Liver--Pathology
2. Radiation sickness--
Pathology
3. Glycogen--Metabolism
- I. Toropova, G. P.
- II. NRCC TT-915
- III. NRCC C-3496
- IV. National Research
Council of Canada

Office of Technical Services

(Biological Sciences--Radiobiology, TT, v. 5, no. 8)

The Use of Carbonyls for the Separation of the
Radioisotopes Cr⁵¹, Mo⁹⁹, W¹⁸⁷, Tc^{99m} and Re¹⁸⁸,
by V. D. Nefedov, M. A. Toropova, 11 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 1,
1958, pp 175-180.

AEC-tr-4449

PL-480

Sci

Jan 62

ii EST 371

177,802

Isolation of Technetium-99m without a Carrier
by the Method of Disruption of Chemical Bonds
on β -Decay, by V. D. Nefedov, M. A. Toropova,
7 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III, No 1,
1958, pp 231-234.

AEC-tr-4449
PL-480

177,807

Sci
Jan 62
PST 371

Spectral Measurements of Near-Solar Aurorae, by
T. P. Boronova, H. N. Boyko, 9 pp.

RUSSIAN, part, Iz Astrofizicheskogo Inst AN
Kazanskoy SER, Vol XIV, 1962, pp 113-118. 9609956

FED-EE-63-844

Sci - Earth Sci & Astron
Jan 64

246, 233

15

(NY-4052).

Some Results of Measurements of the Indicatrices of
Scattering and the Polarization of Light in the
Ground Layer of the Atmosphere, by T. P. Toropova,
17 pp.

RUSSIAN, per, Iz Astrofiz Dv't (Kazakh), No 9, 1960
pp 108-117.

JPRS 5650

128,241

Sci - Astron
Oct 60

On Measuring the Polarization of Light in Fog,
by T. P. Toropova, 6 pp.

RUSSIAN, per, Trudy Ak Nauk Kazakhstanskoy SSR
Astrofizicheskiy Institute, Vol III, 1962,
pp 144-148. (9685368)

AID Report T-63-102

Sci - Earth Sci & Astron
Aug 63

343,510

33
Measurement of Scatter Indicatrixes at Low
Scatter Angles, by T. P. Taropova, V. Ye. Pavlov,
9 pp.

RUSSIAN, per, Vsesoyuznyye Nauchnye Meteorologi-
cheskiye Sborniki, Trudy, Vol 6, 1963,

PP 122-130.

P100116268-V

FTD-T-65-44

Taropova

T. P. Taropova

Sci/Library Copy
Jul 68

360,138

On the Question of the Role of Various Factors
in the Attenuation of the Light of the Earth's
Atmosphere, by T. P. Toropova, 118 pp.

RUSSIAN, in, Izvestiya Astrofizicheskogo Instituta
Akademii Nauk Kazakhskoy SSR, Vol 6, 1958,
pp 3-72.

AKSI H-3121

Sci - Geophysics

Apr 60

114,690

Complexes of Mercury and Silver with Acetone
Thiosemicarbazone, by V. F. Toropova, Yu. P.
Kitayev, 3 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol VI, No 3,
1961, pp 647-652.

Cleaver-Hume Press Ltd

Sci
May 62

~~XXXXXX~~
~~XXXXXX~~

195,403

Stability of Thiourea Complex Compounds of Mercury,
by V.F. Torganova, 9 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 5,
1956, pp 930-937.

AEC-Tr-4586

Sci

340,923

Apr 63

Hydrogen Polarographic Catalytic Waves in Solutions
of the Complex Compounds of Certain Metals, by
V. F. Taropova, G. L. Elizavova, 5 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XVIII, No 1, 1963,
pp 2-8.

CB

Sci
Dec 63

245, 167
042058

Mercury and Silver Compounds With Diethylthio-
phosphates, by V. F. Toropova, M. K. Saikina,
W. K. Lutskaya, 9 pp.

RUSSIAN, *Izv. Zhur Neorgan Khim*, Vol VI, No 9,
1961, pp 2086-2090, 2098296

AEC Tr-4936

Sci - Chem
Apr 62

189,955

Amperometric Titration of the Phosphate Ion,
by V. F. Teropova, G. S. Yakovleva, 11 pp.

RUSSIAN, per, Zhur Anal Khim, Vol 1, 1946,
pp 290-294.

Natl Res Council of Canada
TR-827

Sci - Chem
Jan 60

105, 824

2/
Photoelectric Measurements of the Indicatrices of
Scattering in the Ground Atmospheric Layer, by
P. N. Bolko, G. Sh. Livshits, T. P. Toropova.
UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 4,
1959, pp 803-805.

Navv 2330/NRL 744

Sci - Astronomy
Oct 59

99,624

39

Methods of Welding Titanium in Chemical
Machine Building, by V. A. Torgov, 12 pp.
RUSSIAN, per. Khim Mashinost, No 4,
Nov. Dec 1961, pp 27-31.
JPRS 34949

Sol - M/M
Jan 64

361,091

Welding Problems Discussed at the International
Scientific and Technical Conference of Machine
Construction Technologists. by A. M. Muzare
V. A. Toronov, 6 pp

RUSSIAN per Avtomat Svarks. No 6 1960 pp 98-93

BWRA

Sci

Apr 63

233,770

Industrial Chemistry and the University Scientists,
by V. P. Toropova, 5 pp.

RUSSIAN, per, Vestnik Vysshey Shkoly, No 8, 1964,
pp 40-43.

JPRS 27,782

p 3.

USSR
Soc
x Feb 65

272,446

A study of Selenocyanate Complexes of Certain Metals,
by V. F. Toropova, 8 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol I, No 2,
1956, pp 243-250.

AEC-tr-4583
PL-480

Sci

Jan 62

233, 982-

Amperometric Titration of the Phosphate Ion, b.,
V. F. Toropova, G. S. Makovleva.

U of Washington
Fisheries and Oceanograph Lib
Transl.

Oct 61

Investigation of the Stability of Complex Compounds
With Addenda Containing Selenium, by V. F. Toropova,
14 pp.

RUSSIAN, per, Zhur Georg Khim, Vol II, No 3, 1957,
pp 515-522.

ABC-tr-4053

PL-480

Sci

Apr 61

PBT No 80

145, 223

Amperometric Titration of the Phosphate Ion,
by V. F. ~~Toropova~~, G. S. Yakovleva, 10 pp.

RUSSIAN, per, Zhur Anal Khim, Vol I, No 5/6,
1946, pp 290-294.

NRC TT-827

Sci

OTS, Vol III, No 6

Sep 60

126,862

Polarographic Determination of Selenium, by V. F.
Toropova, 4 pp.

RUSSIAN, per, Zhur Anal Khim, Vol XI, No 5, Sep/
Oct 1956, pp 599-601.

Consultants Bureau

Sci - Chem
Jul 57

49,319

The Polarographic Study of Certain Metallo-Organic Compounds, by V. P. Toropova, M. K. Baikina, 9 pp.

RUSSIAN, per, Sbornik Statei po Obshchei Khimii, Vol I, 1953, pp 210-215. CIA D 449976

Def Sci Info Sv

DER, Canada

T 191 R

33,079

Sci - Geophysics, Chemistry, Minerals/Metals

Apr 56

Phiosulfate Complexes of Mercury, by V. F. Toropova,
5 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXIV, No 3,
USSR, Mar 1954, pp 423-426. CIA D 151317

Consultants Bureau

Scientific - Chemistry

23,819 CTS 68/May 55

(NY 6013)

Translations From "Problems of Esophageal and
Gastric Surgery: The Biological Effect of 25 MeV
Beta-tron Rays", by A. V. Porontsev, Ye. D.
Gol'dberg, G. D. Baryshev, et al., 50 pp.

RUSSIAN, bk. Voprosy Khirurgiya Pishchevoda i
Zheludka: Biologicheskoye Deystviye Luchey
Beta-tron 25 Mev", 1960, pp 435-535.

JPRS 10673

175,097

The Use of Phytocides in Treatment of Infected
Wounds, by I. V. Toropsev, A. G. Filatova 18 pp.

RUSSIAN, no per, Khirurgiya, No 5-6, pp 15-22.

1943

Sci Tr Ctr RT-3867

Sci - Medicine
Aug 56 CTS/dex

37, 54.8

S-5137

(NY-2565).

Pathological Anatomy of the Death of Animals Under
a 25-Mev Betatron Ray, by I. V. Toroptsev, N. V.
Sokolova, 7 pp.

RUSSIAN, per, Med Radiolog, Vol IV, No 2, 1959, pp
pp 50-53.

JPRS L-806-N

Sci - Med

Jun 59

89,220

Синтезис и модификация полимеров, by B. K. Gerasimov,
A. T. Kikhlajev, A. H. Toropševa, M. S. Tatarskiy,
5 pp.

RUSSIAN, per, Zhurn Prikl Khim, Vol XXVII, No 1,
1959, pp 657-672.

Consultants Bureau

Sol

May 60

118,216

Automatic Filling of Tank Trucks with Petroleum
Products, by I. M. Teroshkov, A. V. Sinegovskiy, et al,
20 pp. FOR OFFICIAL USE ONLY
RUSSIAN, per, Avtomat Nally Nefteproduktov v Avtomobil'
Tolok, 1960, pp 9-11; 20-30; 100-11. 9696845
FBI 881-764-166

Sol - Eng
May 65

279,567

Teroshkov, I. M.